



ALAMEDA COUNTY  
CONGESTION MANAGEMENT AGENCY

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*April 13, 2009  
Agenda Item 5.3*

**Memorandum**

**DATE:** March 31, 2009  
**TO:** Administration and Legislation Committee  
**FROM:** Bijan Yarjani, Ph.D., Project Manager  
**SUBJECT:** San Pablo Rapid Bus Stop Improvements Project Status Update

**Action Requested:**

The CMA's adopted Construction Administration Guide requires that a quarterly construction status report be provided to the Administration and Legislation Committee. It is recommended that the Committee review and approve the attached Construction Contract Progress Report for activities through March 31, 2009.

**Discussion:**

The Alameda County CMA, in association with AC Transit, has secured a total of \$2,815,047 in Measure B funds to plan, design and deploy the San Pablo Rapid Bus Stop Improvement Project. This project will provide improvements to 20 bus stops (10 intersections) along the San Pablo Avenue Corridors in the Cities of Oakland and Berkeley in Alameda County. The bus stops will be used for the Rapid Bus line on San Pablo Avenue. Other improvements will include streetscape enhancements, signals, crosswalks and other amenities.

The project also included plans for the installation of decorative crosswalk treatment at eight intersections in the Cities of Berkeley and Oakland. The decorative crosswalk treatment design was based on information provided by the City of Berkeley in November 2005. After completion of the geotechnical report, it was anticipated that the contractor would encounter significant conflicts with existing utilities, underground water table and contaminated soils due to aerially deposited lead from many years of vehicle traffic.

As a consequence, the ACCMA worked with staff from Caltrans, the Cities of Oakland, Berkeley, AC Transit and ACTIA to re-evaluate the decorative crosswalk treatment option. It was determined that it was not feasible to construct the concrete pavement section recommended

by the geotechnical engineer or to provide the integrally colored asphalt pavement within the existing funds. It was therefore decided to delete the decorative crosswalk treatment from the current contract for the amount of \$1,107,377.28 and to review alternative options for proceeding with construction of other improvements on San Pablo Avenue.

Following discussion with staff from both cities and funding agencies, it was further agreed to use the available funds for the design and installation of landscaped medians on San Pablo Avenue in the Cities of Oakland and Berkeley. Improvements also include installation of curb bulb-outs at the intersections of San Pablo Avenue/West Grand Avenue and at San Pablo Avenue/Alcatraz Avenue, in addition to other improvements in the City of Oakland.

**Financial Impact:**

The revenues and costs associated with this project have been incorporated in the CMA's currently approved budget and will be funded through Measure B funds. No change to the CMA's approved budget is required.



ALAMEDA COUNTY CONGESTION MANAGEMENT AUTHORITY  
Project No. 02-07

## San Pablo Avenue Corridor Transit Improvements

Quarterly Progress Report No. 7  
January through March, 2009

Prepared by:



TRS Consultants, Inc.  
Project No. 20241-05  
3/17/09

## San Pablo Avenue Corridor Transit Improvements

### ACCMA

Quarterly Progress Report No 7

January through March, 2009

### Project Description

The Project includes constructing and completing to various public access and transportation improvements along the San Pablo Avenue Corridor. These improvements will increase AC Transit efficiency and ridership in concert with their current SMART Corridor Program by providing new bus stop enhancements and pedestrian accessibility at 10 locations between the cities of Oakland and Albany and enhance the San Pablo corridor between said cities. New improvements are to include p.c.c. surface items such as new/modified pedestrian ADA compliant access ramps and sidewalk access improvements, colored asphalt intersection construction (crosswalk areas) at 8 locations, pedestrian signal and lighting attenuation upgrades, pedestrian lighting standards, new striping, minor median landscaping, bus shelter improvements, bus kiosk(s) placement and minor underground improvements.

### Project Participants

**Owner:**

Alameda County Congestion Management Agency (ACCMA)  
Alameda County Transportation Improvement Agency (ACTIA)  
Alameda County Transit (AC Transit)  
Metropolitan Transportation Commission (MTC)  
California Department of Transportation  
City's of Oakland, Emeryville, Berkeley and Albany

**Owners Representative:** Dr. Bijan Yarjani, Ph.D. (ACCMA) – Project Manager  
1333 Broadway, Suite 220  
Oakland, California 94612

**Engineer of Record/Architect of Record:**

Kimley Horn & Associates  
555 12<sup>th</sup> Street, Suite 1230  
Oakland, CA 94607

**Engineer of Record Representative:** Daniel Blomquist, PE - Project Engineer

**Contractor:**

Vanguard Construction, Inc.  
651 Enterprise Court  
Livermore, CA 94550

**Contractor Representative:** Jim Sposeto – Project Manager

**Construction Manager:**

TRS Consultants, Inc.  
5000 Executive Parkway, Suite 430  
San Ramon, CA 94583

**CM Representative:** Mike Schaaf, PE – Construction Manager

Scott Goodwin, Inspector of Record

David Sanchez, Inspector of Record (Phase II)

## Project Milestones

- **Notice of Award :** 7-26-07
- **Project Re-Start Meeting :** 2-5-08
- **Notice to Proceed:** 8/17/07  
2/21/08 (original revised)  
12/8/08 (Phase II)

Contract Working Days: 85 working days

First Working Day: February 25, 2008

Last Working Day: June 27, 2008 (calculated)

Last Working Day: July 15, 2008 (projected per CCO and MOU)

Amended Last Working Day: January 14, 2009 (Phase II improvements)  
February 24, 2009 (major work completed)

Contract Award Amount:     \$ 1,902,282.28 (w/Add Alternate Bid items)  
                                     \$ 1,609,285 (w/o Add Alternate Bid Items)

## Construction Progress This Period

### Overview-

Work under the provided Contract Change Order No. 5 was authorized via a negotiated cost agreement which was reached on November 21, 2008 and the contractor began this work program with the first working day beginning on December 8, 2008 with an anticipated completion date of January 14, 2009 (actual 2/14/09 with major improvement items). The work to be completed by the contractor under this period of time included all items pertaining to the approved Phase II improvements and all remaining original contract items of work inclusive of final Punchlist; these items include remaining p.c.c. access ramps in Berkeley (3) and Oakland (1), tree grate and tree setting in Berkeley and final clean-up. All affected property owners have been duly notified and accepted written permission to enter their property to complete necessary portions of work under this phase. Additionally, AC Transit supervising personnel have been coordinated with in regards to pending project scheduling and temporary relocation of various bus stops that will be affected during specific portions of this work.

### Activity-

As the completion of remaining project work was hindered due to two issues involving: a) pending final decision on intersection improvements for the Cities of Oakland and Berkeley, and b) re-design of access ramps within the City of Berkeley to accommodate existing conditions in consideration to ADA requirements. These issues were resolved and completed prior to the date of this report.

The contractor has now completed all major items of work as of last week as part of both the original improvements (Phase I) and the adjusted (Phase II) improvements along the San Pablo corridor.

Through the date of this report, all p.c.c. and associated items are now completed per the remaining original Phase I and Phase II improvement plans. The completed balance of work to date is as follows for the project:

- New p.c.c. bus pads at W. Grand, Market-30<sup>th</sup> and adjacent the taqueria are completed and open
- Median island nose repairs at Market-30<sup>th</sup>
- Revised access ramps at Market and 30<sup>th</sup> St.'s
- Revised access ramp and driveway section at 31<sup>st</sup>
- Installation of new ramp, storm drain and inlet base at 30<sup>th</sup>-Market
- Revised median island nosing at W. Grand-San Pablo and Stanford
- All new access ramps and storm drainage improvements at the Market-30<sup>th</sup>/San Pablo intersection and southwest and northwest corners of W. Grand (including adjusted TSP and pedestrian pole/button relocations) are completed
- Median island improvements at Stanford-San Pablo
- Access ramps at University, Gilman, Dwight and Alcatraz (Phase I)

The remaining items of the original work scope are specifically the setting of the remaining pending ornamental tree grates (approx. 13) within the City of Berkeley and Albany (one) and backfilling with decomposed granite material at the remaining planned locations. (As noted, frames and adjacent sidewalk conforming/repairs have been accommodated).

In an effort to complete the project program within the prescribed funding allocation, it has been determined to proceed with "Phase III" improvements which entail the design and improvement of new median within the Cities of Oakland and Berkeley between 67<sup>th</sup> St. and Coulter St. Ongoing discussions have continued between the participatory agencies, inclusive of AC Transit to determine the viability of this additional work. Currently, the Cities of Oakland and Berkeley have agreed to the conceptual design as provided by Kimley-Horn. As noted, public hearings were completed by Oakland on 12/1 and Berkeley on 12/11/08. It was anticipated that the final design would be completed late January '09 at which time the draft plans can be forwarded to Caltrans District 4 Traffic Engineering for review since this work is jurisdictionally within State right of way.

Kimley-Horn has re-submitted the final plans to Caltrans District 04 and the cities of Oakland and Berkeley the first week of March '09 for review and final comment. Upon expected Caltrans review time, the pending Phase III improvement plans should be available for construction in mid-April '09. The current construction estimate as provided by the Project Engineer is \$350,000 for this work.

### **Construction Issues**

Of note, most issues during this period of work activity stemmed from poor weather conditions hindering the progression of work due to wet weather and encountering conflict with buried and unforeseen utilities at various improvement locations. Highlights of the encountered problems were:

- Found buried sanitary sewer manhole within planned bus pad area at 30<sup>th</sup> St. (required adjustment)
- Found buried storm manhole within planned bus pad area at Market St. (required adjustment)
- Adjustment to the relocated Type 17-2 TSP at northeast corner West Grand due to found unmarked electrical conduit; required overhead adjustments to the exist. CMA EVP/Opticom were completed via TrackComputers (Republic Electric)

## **Anticipated Work Next Period**

The Contractor will complete the remaining tree grate setting items under the original contract and complete minor punchlist items per Phase II change order work, inclusive of the aforementioned remaining original contract items within the City of Berkeley. It is expected that this work will be completed by no later than the end of March assuming no substantial weather impacts.

Upon acceptance of final Phase III median improvements plans from both Caltrans and the Cities, work is expected to begin late April and be completed by the end of May, with project closeout and acceptance expected by no later than mid-June.

## **Project Meetings**

Various internal/external project management meetings have been held over the course of the past two months to determine the current Phase II and remaining planned improvements as acceptable to all stakeholders and to begin negotiating the final price of the Phase III improvements upon approvals.

## **Schedule**

The Contractor will be given the notice to proceed and will be required to complete all Phase III improvements and punchlist work within 30 working days per pending contract change order (tbd) upon approval of the construction documents. Work is expected to begin late April and be completed by the end of May '09.

## **Safety**

The Contractor and subcontractor conducted weekly safety meetings and TRS personnel are in continual communication with City, Caltrans and AC Transit personnel on public, traffic and/or pedestrian safety issues during the temporary suspension of contract work.

## **Request for Information / Clarification**

The Contractor has not submitted any new requests for information for this period (to date) bringing the total RFI's to date to eight. These were passed onto the Engineer of Record (Kimley Horn) and the affected agencies as appropriate who have responded to all of the requests.

## **Submittals**

The Contractor has provided 20 submittals to date.

## Change in the Work

### Change Notice

The CM/IOR has not issued any current Change Notices to the Contractor for pricing.

### Change Request (Engineer/Contractor Generated)

- CCO No 1- In response to various discussions between the Cities of Oakland and Berkeley (and Caltrans), the contractor was requested to provide quote(s) to provide a 2" colored asphalt pavement section for the pending intersection treatment in lieu of the planned colored p.c.c. intersection due to design, permitting and cost issues.
- CCO No 4 – It was determined that the contractor could not provide the required colored asphalt pavement as acceptable to the stakeholders, thus this change order deleted in its' entirety all intersection improvement in regards to the planned colored asphalt option.
- CCO No 5- Phase II improvements (within City of Oakland project limits) to enhance pedestrian and public safety in regards to accessibility to bus stops, intersection crossings and general concrete items of work.

### Contract Change Orders-

CCO No. 1 was issued and approved on January 28, 2008.

CCO No. 2,3 were issued and approved July 2008

CCO No. 4 was issued and approved July 2008

CCO No. 5 has been approved on 12/10/08

*Complete Change Orders are as follows (approved to date):*

No. 2- Miscellaneous Improvements (lower domestic water service at 31 <sup>st</sup> , core-drill ac, Stanford SE ramp modifications	\$ 9,885.21
No. 3- Vanguard administrative costs for ac intersection preparation/testing	\$ 10,812.61
No. 4- Delete asphalt intersection treatment	-\$1,107,377.28
No. 5- Phase II P.C.C. (Transit Improvements- City of Oakland only)	\$ 410,872.50

### Disputes and Claims

None to date; however the contractor may ultimately claim up to 6 additional days of traffic control/maintenance due to final resolution of ramp re-design within the City of Oakland project limits. Nothing has been formally submitted to date.

The contractor has recently however submitted invoices for previously completed Phase I improvements in regards to electrical and pedestrian signalization work modifications and requested item adjustments. Upon review of the submitted extra work report and pre-approved items, the total approved amount of the submitted information is \$25,302.79. As noted, approximately \$40,000 was originally earmarked for this work in regards to the overall tabulations of the project budget and accounting. The breakdown of the pending change orders is as follows:

CCO No. 6- Kiosk foundation adjustments due to unforeseen conditions (\$4,310.54)

CCO No. 7- Miscellaneous electrical and traffic signal modifications and corrections (\$ 5,084.38)

CCO No. 8- Revise 40<sup>th</sup>/Solano intersections to NAV-4 wire system and provide photocells to the City of Berkeley Se'Lux street light poles (\$15,907.87)



## **Construction Management**

The Project Inspector of Record, David Sanchez has monitored the Phase II work on a daily basis as needed throughout the construction period also monitoring the punchlist work within Oakland and also dealing with field and administrative matters in coordination with both the Construction Manager and all affected local agencies and stakeholders to the project.

The materials testing laboratory, Signet Testing Labs, has provided ongoing support as needed including general materials testing, density testing and p.c.c. compression testing to date.

## Construction Schedule and Budgets

The following is a breakdown of contract time and costs expended to date:

Time	% Time	Calendar Days
Contract		85
CCO Extensions (Phase I)		2
<b>Total Contract Time</b>		87
This Period (Phase II)		25
Previous Total		87
Total Time to Date	100%	25
<b>Balance Remaining</b>	0%	0
Original Completion Date		25-Jun-08
<b>Current Completion Date</b>		15-Sept-08
<i>Planned Completion Date</i>		17-Jul-08
		Phase II 2/14/09)

## Construction Expenditures and Budget – Vanguard Construction

Contract Bid Amount		\$ 1,953,145
Approved Change Orders		-\$ 726,669.71
Current Contract Amount		\$1,902,282.28
Total Progress Payments	60%	\$ 1,137,654.15
Progress Payments (1-7)	w/o contingency	w/cont. (Paid to Date)
Total:	\$1,137,654.15	Total: \$1,035,958.53
Change Orders in Process/Approved as of 2/28/09	Day's	Adjusted Contract
(total of 1 thru 5)	approved	
	25	\$1,226,475.29
Estimated Remaining Budget:		\$ 815,490.85

## Construction Management Contract Budget (TRS)

Following is a breakdown of the TRS Consultants Inc. budget to date:

Task Orders	%Complete	Budget
T O 1	100%	\$ 50,000.00
Contract		\$ 98,162.34
<b>Contract Budget</b>		<b>\$ 148,162.34</b>
Amendments		\$ 30,000.00
<b>Current Budget</b>		<b>\$ 178,162.34</b>
<b>Total Invoiced (No.'s 1-13)</b>	100%	\$ 148,060.24
<b>Balance Remaining*</b>	0%	<b>\$ 102.10</b>
* banked hours for inspection: 94 hrs		
Estimated Balance to date	0%	\$ 102.10